RAMPAGE IV FORMULA V1.0

Note: The specifications are subject to change without notice.

CPU	2nd Generation Intel® Core™ i7 processor family for the LGA 2011 Socket
	Support Intel® Turbo Boost Technology 2.0
	* Refer to www.asus.com for Intel CPU support list
Chipset	Intel® X79 Express Chipset
Memory	Quad channel memory architecture
	4 x DIMM, max. 32GB, DDR3 2400(O.C.)/ 2200(O.C.)/2133(O.C.)/2000(O.C)/1800(O.C.)/1600/1333/1066 MHz, non-ECC, un-buffered memory modules
	Supports Intel® Extreme Memory Profile (XMP)
	* Hyper DIMM support is subject to the physical characteristics of individual CPUs. Some hyper DIMMs only support one DIMM per channel. Please refer to www.asus.com or this user manual for the Memory QVL (Qualified Vendors List) for details.
Expansion Slots	4 x PCIe3.0 x16 (red) slots, support x16; x16/x16; x16/x8/x16 and x16/x8/x8/x8 configurations
	2 x PCIe2.0 x1 slot
	* This motherboard is ready to support PCIe 3.0 SPEC. Functions will be available when using PCIe 3.0-compliant devices. Please refer to www.asus.com for updated details.
Multi-GPU	Supports NVIDIA® 4-Way SLI™ Technology
	Supports AMD 4-Way CrossFireX™ Technology
	* The 4-Way SLI™ bridge is purchased separately.
Storage	**Intel® X79 Chipset:**
	2 x SATA 6Gb/s port(s), red
	4 x SATA 3Gb/s port(s), black
	Support Raid 0, 1, 5, 10
	ASMedia® ASM1061 controller:
	2 x SATA 6Gb/s port(s), red
	2 x eSATA 6Gb/s port(s)
LAN	Intel® Gigabit LAN Controller x 1
Audio	**SupremeFX III, built-in 8-Channel High Definition Audio CODEC**
	- Output Signal-to-Noise Ratio (A-Weighted): 110 dB
	- Output THD+N at 1kHz: 95 dB
	- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
	Audio Feature:
	SupremeFX Shielding™ Technology
	1500 uF Audio Power Capacitor
	Gold-plated jacks
	- X-Fi® Xtreme Fidelity™
	- EAX® Advanced™ HD 5.0
	- THX® TruStudio PRO™
	- Creative® ALchemy
	- Blu-ray audio layer Content Protection
	- Optical S/PDIF out port(s) at back panel
USB	**ASMedia® USB 3.0 controller:**
	6 x USB 3.0 port(s) (4 at back panel, 2 at mid-board)
	Intel® X79 Chipset:
	12 x USB 2.0 port(s) (6 ports at back panel, 1 for ROG Connect; 6 ports at mid-board)
ROG Exclusive Features	**ROG Extreme OC kit**
	- Slow Mode
	- LN2 Mode
	- PCIe x16 Lane switch
	- Q_Reset
	- EZ Plug
	ROG Connect:
	- RC Diagram
	- RC Remote
	- RC Poster
	- GPU TweakIt
	ROG Extreme Engine Digi+ II
	- 8 phase CPU power
	- 3 phase VCCSA power
	- 2+2 phase DRAM power
	UEFI BIOS features :
	- ROG BIOS Print
	- GPU.DIMM Post
	CPU Level Up **ROG GameFirst**
	ProbeIt
	iROG
	Extreme Tweaker
	USB BIOS Flashback
	Loadline Calibration
	Intelligent overclocking tools
	- ASUS AI Booster Utility
	- O.C. Profile
	Overclocking Protection
	- COP EX (Component Overheat Protection - EX)
	- Voltiminder LED II
	- ASUS C.P.R.(CPU Parameter Recall)

Special Features	**ASUS EPU Engine**
	ASUS Exclusive Features
	- MemOK!
	- Onboard Switches: Power/Reset/Clr CMOS (at rear)
	ASUS Quiet Thermal Solution
	- ASUS Fan Xpert
	ASUS EZ DIY
	- ASUS O.C. Profile
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 2
	- ASUS MyLogo2
	- ROG BIOS Wallpaper
	ASUS Q-Design
	- ASUS Q-Connector
	- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
	- ASUS Q-Slot
	- ASUS Q-DIMM
Back I/O Ports	1 x PS/2 keyboard/mouse Combo port(s)
	1 x Clear CMOS button(s)
	1 x Optical S/PDIF out
	1 x ROG Connect On/Off switch
	6 x USB 2.0 (1 port can be switched to ROG Connect)
	4 x USB 3.0, blue
	2 x eSATA 6Gb/s
	1 x LAN (RJ45) port(s)
	6 x Audio jack(s)
Internal I/O Ports	1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s)
	3 x USB 2.0 connector(s) support(s) additional 6 USB 2.0 port(s)
	4 x SATA 6Gb/s connector(s)
	4 x SATA 3Gb/s connector(s)
	2 x CPU Fan connector(s)
	3 x Chassis Fan connector(s)
	3 x Optional Fan connector(s)
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin EATX 12V Power connector(s)
	8 x ProbeIt Measurement Points
	3 x Thermal sensor connector(s)
	1 x EZ Plug connector(s) (4-pin Molex power connector)
	1 x Power-on button(s)
	1 x Reset button(s)
	1 x Go Button(s)
	1 x LN2 mode jumper
	1 x Slow Mode switch
	1 x S/PDIF out header(s)
	1 x Front panel audio connector(s) (AAFP)
	1 x System panel connector
Accessory	User's manual
	I/O Shield
	2 x 2-in-1 SATA 6Gb/s signal cables
	2 x 2-in-1 SATA 3Gb/s signal cables
	1 x 3-Way SLI bridge(s)
	1 x SLI bridge(s)
	1 x CrossFire cable(s)
	1 x ROG Connect cable(s)
	1 x 2-in-1 ASUS Q-Connector Kit
	1 x ROG theme label(s)
	1 x 12 in 1 ROG Cable Label(s)
	1 x X-Socket pad
	1 x ROG Door Hanger
BIOS	2 x 64Mb UEFI AMI BIOSs, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a Multi-Language BIOS
Manageability	WfM2.0, DMI2.0, WOL by PME, WOR by PME, PXE
Software	Drivers
	Sound Blaster® X-Fi 2 Utility
	Kaspersky® Anti-Virus
	DAEMON Tools Pro Standard
	ROG CPU-Z
	Mem TweakIt
	ASUS WebStorage
	ASUS Utilities
Form Factor	ATX Form Factor 12 inch x 9.6 inch (30.5cm x 24.4cm)